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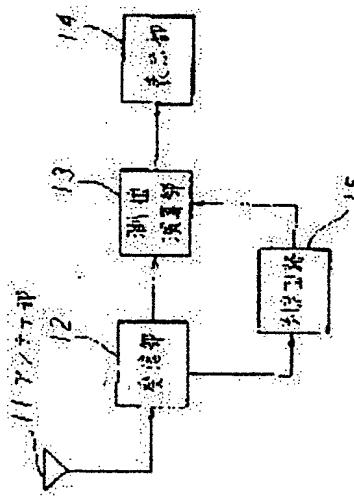
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(54) SATELLITE NAVIGATION SYSTEM

(57)Abstract:

PURPOSE: To eliminate measurement errors by excluding radio waves which are greatly different in reception level from a prescribed value and vary in dummy distance abruptly when radio waves from plural satellites are received to calculate the dummy distance and then find the position of a moving body.

CONSTITUTION: Signals from the plural satellites which are received by an antenna 11 are inputted to a reception part 12 and navigation data is demodulated to measure the dummy distance, which is inputted to a position measurement arithmetic part 13. The arithmetic part 13 solve a navigation equation wherein those data are combined to calculate the position of the moving body, which is displayed on a display part 14. A decision circuit 15 excludes signals which are smaller or larger in the reception level of the reception part 12 than the prescribed value. Further, when the dummy distance found by the reception part 1 varies abruptly from the last value, the signals are excluded. Consequently, errors in position measurement due to a ghost and a reflected wave are eliminated. This device is suitable to an automobile which runs in an area where there is much radio wave trouble.



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